

Please type a plus sign (+) inside this box →

+

PTO/SB/05 (08-00)

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>	Attorney Docket No.	H054024.0012US0
	First Named Inventor or Application identifier	JEFFREY L. LACY
ADDRESS TO: Commissioner for Patents Mail Stop Patent Application PO Box 1450 Alexandria, VA 22313-1450	Title	BORON COATED STRAW NEUTRON DETECTOR
	Express Mail No.	EV330686722US

22154 U.S. PTO
10/712692
111303

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. ☒ Fee Transmittal Form PTO/SB/17 (submit in duplicate)
2. ☐ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification [Total Pages: 26]
4. ☒ Drawing(s) (35 USC 113) [Total Sheets: 11]
5. ☐ Oath or Declaration [Total Pages:]
 - a. ☐ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with No. 17 completed)
[Note No. 6 below]
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in
the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Incorporation By Reference (useable if No. 5b is
checked)
The entire disclosure of the prior application, from which a copy of
the oath or declaration is supplied under No. 5b, is considered as
being part of the disclosure of the accompanying application and is
hereby incorporated by reference therein.
7. ☐ Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☐ Computer Readable Copy (CRF)
 - b. ☐ Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statement verifying identity of above copies
8. ☐ Application Data Sheet. See 37 CFR 1.76

9. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)

ACCOMPANYING APPLICATION PARTS

10. ☐ Assignment Papers (cover sheet & document(s))
11. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)
12. ☐ Power of Attorney
13. ☐ English Translation Document (if applicable)
14. ☐ Information Disclosure
Statement (IDS)/PTO-1449
___ Copies of IDS Citations
15. ☐ Preliminary Amendment
16. ☒ Return Receipt Postcard (Itemized)
17. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
18. ☐ Other: _____

19. If a CONTINUING APPLICATION, check appropriate blank and supply the requisite information:

☐ Continuation
☐ Divisional
☐ Continuation-in-part (CIP)

of prior application No.: _____ / _____
 Prior Application Information:
 Examiner _____ Group Art Unit: _____

20. Correspondence Address					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label _____ or _____ Correspondence address below 01200 (Insert Customer No. or Attach bar code label here)					
Name	Attn: Charles M. Cox AKIN GUMP STRAUSS HAUER & FELD, LLP				
Address	711 Louisiana Street, 1900 Pennzoil Place – South Tower				
City	Houston	State	Texas	Zip Code	77002
Country	U.S.A.	Telephone	(713) 220-5800	Fax	(713) 236-0822

Date:

Nov. 13, 2003

Charles M. Cox, Reg. No. 29,057

The PTO did not receive the following
listed item(s) DRAWINGS

FEE TRANSMITTAL for FY 2004 <i>Patent fees are subject to annual revision</i>		Complete if Known	
		Application Number	
		Filing Date	
		First Named Inventor	JEFFREY L. LACY
		Examiner Name	
		Group / Art Unit	
Total Amount of Payment	\$ 1,046.00	Attorney Docket No.	H054024.0012USO

METHOD OF PAYMENT (check one) 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account No.: <u>16-2435</u> Deposit Account Name: <u>Akin Gump Strauss Hauer & Feld, LLP</u> <input checked="" type="checkbox"/> Charge any additional Fee Required Under 37 CFR §§ 1.16 & 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Credit Card <input type="checkbox"/> Other						FEE CALCULATION (continued) 3. Additional Fees																																																																																																																																																																																									
FEE CALCULATION 1. Basic Filing Fee						<table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>\$770</td><td>2001</td><td>\$385</td><td>Utility Filing Fee</td><td>\$ 770</td></tr> <tr><td>1002</td><td>\$340</td><td>2002</td><td>\$170</td><td>Design Filing Fee</td><td>\$</td></tr> <tr><td>1003</td><td>\$530</td><td>2003</td><td>\$265</td><td>Plant Filing Fee</td><td>\$</td></tr> <tr><td>1004</td><td>\$770</td><td>2004</td><td>\$385</td><td>Reissue Filing Fee</td><td>\$</td></tr> <tr><td>1005</td><td>\$160</td><td>2005</td><td>\$ 80</td><td>Provisional Filing Fee</td><td>\$</td></tr> <tr><td colspan="5">Subtotal (1)</td><td>\$770</td></tr> </tbody> </table>						Large Fee Code	Large Entity Fee (\$)	Small Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	1001	\$770	2001	\$385	Utility Filing Fee	\$ 770	1002	\$340	2002	\$170	Design Filing Fee	\$	1003	\$530	2003	\$265	Plant Filing Fee	\$	1004	\$770	2004	\$385	Reissue Filing Fee	\$	1005	\$160	2005	\$ 80	Provisional Filing Fee	\$	Subtotal (1)					\$770																																																																																																																																										
Large Fee Code	Large Entity Fee (\$)	Small Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																										
1001	\$770	2001	\$385	Utility Filing Fee	\$ 770																																																																																																																																																																																										
1002	\$340	2002	\$170	Design Filing Fee	\$																																																																																																																																																																																										
1003	\$530	2003	\$265	Plant Filing Fee	\$																																																																																																																																																																																										
1004	\$770	2004	\$385	Reissue Filing Fee	\$																																																																																																																																																																																										
1005	\$160	2005	\$ 80	Provisional Filing Fee	\$																																																																																																																																																																																										
Subtotal (1)					\$770																																																																																																																																																																																										
2. Extra Claim Fees						<table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>\$ 130</td><td>2051</td><td>\$ 65</td><td>Surcharge - late fee or oath</td><td>\$</td></tr> <tr><td>1052</td><td>\$ 50</td><td>2052</td><td>\$ 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td>\$</td></tr> <tr><td>1812</td><td>\$2,520</td><td>1812</td><td>\$2,520</td><td>Request for Reexamination</td><td>\$</td></tr> <tr><td>1804</td><td>\$920*</td><td>1804</td><td>\$920*</td><td>Requesting publication of SIR prior to Examiner action</td><td>\$</td></tr> <tr><td>1805</td><td>\$1840*</td><td>1805</td><td>\$1840*</td><td>Requesting publication of SIR after Examiner action</td><td>\$</td></tr> <tr><td>1251</td><td>\$ 110</td><td>2251</td><td>\$ 55</td><td>Extension for reply within first month</td><td>\$</td></tr> <tr><td>1252</td><td>\$ 420</td><td>2252</td><td>\$ 210</td><td>Extension for reply within second month</td><td>\$</td></tr> <tr><td>1253</td><td>\$ 950</td><td>2253</td><td>\$ 475</td><td>Extension for reply within third month</td><td>\$</td></tr> <tr><td>1254</td><td>\$1,480</td><td>2254</td><td>\$ 740</td><td>Extension for reply within fourth month</td><td>\$</td></tr> <tr><td>1255</td><td>\$2,010</td><td>2255</td><td>\$1,050</td><td>Extension for reply within fifth month</td><td>\$</td></tr> <tr><td>1401</td><td>\$ 330</td><td>2401</td><td>\$ 165</td><td>Notice of Appeal</td><td>\$</td></tr> <tr><td>1402</td><td>\$ 330</td><td>2402</td><td>\$ 165</td><td>Filing a brief in support of an appeal</td><td>\$</td></tr> <tr><td>1403</td><td>\$ 290</td><td>2403</td><td>\$ 145</td><td>Request for oral hearing</td><td>\$</td></tr> <tr><td>1452</td><td>\$ 110</td><td>2452</td><td>\$ 55</td><td>Petition to revive - unavoidable</td><td>\$</td></tr> <tr><td>1453</td><td>\$1,330</td><td>2453</td><td>\$ 665</td><td>Petition to revive - unintentional</td><td>\$</td></tr> <tr><td>1501</td><td>\$1,330</td><td>2501</td><td>\$ 665</td><td>Utility issue fee (or reissue)</td><td>\$</td></tr> <tr><td>1502</td><td>\$ 480</td><td>2502</td><td>\$ 240</td><td>Design issue fee</td><td>\$</td></tr> <tr><td>1503</td><td>\$ 640</td><td>2503</td><td>\$ 320</td><td>Plant issue fee</td><td>\$</td></tr> <tr><td>1460</td><td>\$ 130</td><td>1460</td><td>\$ 130</td><td>Petitions to the Commissioner</td><td>\$</td></tr> <tr><td>1807</td><td>\$ 50</td><td>1807</td><td>\$ 50</td><td>Petitions related to provisional applications</td><td>\$</td></tr> <tr><td>1806</td><td>\$ 180</td><td>1806</td><td>\$ 180</td><td>Submission of Information .</td><td>\$</td></tr> <tr><td>8021</td><td>\$ 40</td><td>8021</td><td>\$ 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>\$</td></tr> <tr><td>1809</td><td>\$ 770</td><td>2809</td><td>\$ 385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td>\$</td></tr> <tr><td>1801</td><td>\$ 770</td><td>2801</td><td>\$ 385</td><td>Request for Continued Examination (RCE)</td><td>\$</td></tr> <tr><td>1802</td><td>\$ 900</td><td>1802</td><td>\$ 900</td><td>Request for expedited examination of a design application</td><td>\$</td></tr> <tr><td colspan="5">Other fee (specify):</td><td>\$</td></tr> <tr><td colspan="5">Other fee (specify):</td><td>\$</td></tr> <tr><td colspan="5">* Reduced by Basic Filing Fee Paid</td><td></td></tr> <tr><td colspan="5">Subtotal (3)</td><td>\$</td></tr> </tbody> </table>						Large Fee Code	Large Entity Fee (\$)	Small Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	1051	\$ 130	2051	\$ 65	Surcharge - late fee or oath	\$	1052	\$ 50	2052	\$ 25	Surcharge - late provisional filing fee or cover sheet	\$	1812	\$2,520	1812	\$2,520	Request for Reexamination	\$	1804	\$920*	1804	\$920*	Requesting publication of SIR prior to Examiner action	\$	1805	\$1840*	1805	\$1840*	Requesting publication of SIR after Examiner action	\$	1251	\$ 110	2251	\$ 55	Extension for reply within first month	\$	1252	\$ 420	2252	\$ 210	Extension for reply within second month	\$	1253	\$ 950	2253	\$ 475	Extension for reply within third month	\$	1254	\$1,480	2254	\$ 740	Extension for reply within fourth month	\$	1255	\$2,010	2255	\$1,050	Extension for reply within fifth month	\$	1401	\$ 330	2401	\$ 165	Notice of Appeal	\$	1402	\$ 330	2402	\$ 165	Filing a brief in support of an appeal	\$	1403	\$ 290	2403	\$ 145	Request for oral hearing	\$	1452	\$ 110	2452	\$ 55	Petition to revive - unavoidable	\$	1453	\$1,330	2453	\$ 665	Petition to revive - unintentional	\$	1501	\$1,330	2501	\$ 665	Utility issue fee (or reissue)	\$	1502	\$ 480	2502	\$ 240	Design issue fee	\$	1503	\$ 640	2503	\$ 320	Plant issue fee	\$	1460	\$ 130	1460	\$ 130	Petitions to the Commissioner	\$	1807	\$ 50	1807	\$ 50	Petitions related to provisional applications	\$	1806	\$ 180	1806	\$ 180	Submission of Information .	\$	8021	\$ 40	8021	\$ 40	Recording each patent assignment per property (times number of properties)	\$	1809	\$ 770	2809	\$ 385	Filing a submission after final rejection (37 CFR 1.129(a))	\$	1801	\$ 770	2801	\$ 385	Request for Continued Examination (RCE)	\$	1802	\$ 900	1802	\$ 900	Request for expedited examination of a design application	\$	Other fee (specify):					\$	Other fee (specify):					\$	* Reduced by Basic Filing Fee Paid						Subtotal (3)					\$
Large Fee Code	Large Entity Fee (\$)	Small Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																										
1051	\$ 130	2051	\$ 65	Surcharge - late fee or oath	\$																																																																																																																																																																																										
1052	\$ 50	2052	\$ 25	Surcharge - late provisional filing fee or cover sheet	\$																																																																																																																																																																																										
1812	\$2,520	1812	\$2,520	Request for Reexamination	\$																																																																																																																																																																																										
1804	\$920*	1804	\$920*	Requesting publication of SIR prior to Examiner action	\$																																																																																																																																																																																										
1805	\$1840*	1805	\$1840*	Requesting publication of SIR after Examiner action	\$																																																																																																																																																																																										
1251	\$ 110	2251	\$ 55	Extension for reply within first month	\$																																																																																																																																																																																										
1252	\$ 420	2252	\$ 210	Extension for reply within second month	\$																																																																																																																																																																																										
1253	\$ 950	2253	\$ 475	Extension for reply within third month	\$																																																																																																																																																																																										
1254	\$1,480	2254	\$ 740	Extension for reply within fourth month	\$																																																																																																																																																																																										
1255	\$2,010	2255	\$1,050	Extension for reply within fifth month	\$																																																																																																																																																																																										
1401	\$ 330	2401	\$ 165	Notice of Appeal	\$																																																																																																																																																																																										
1402	\$ 330	2402	\$ 165	Filing a brief in support of an appeal	\$																																																																																																																																																																																										
1403	\$ 290	2403	\$ 145	Request for oral hearing	\$																																																																																																																																																																																										
1452	\$ 110	2452	\$ 55	Petition to revive - unavoidable	\$																																																																																																																																																																																										
1453	\$1,330	2453	\$ 665	Petition to revive - unintentional	\$																																																																																																																																																																																										
1501	\$1,330	2501	\$ 665	Utility issue fee (or reissue)	\$																																																																																																																																																																																										
1502	\$ 480	2502	\$ 240	Design issue fee	\$																																																																																																																																																																																										
1503	\$ 640	2503	\$ 320	Plant issue fee	\$																																																																																																																																																																																										
1460	\$ 130	1460	\$ 130	Petitions to the Commissioner	\$																																																																																																																																																																																										
1807	\$ 50	1807	\$ 50	Petitions related to provisional applications	\$																																																																																																																																																																																										
1806	\$ 180	1806	\$ 180	Submission of Information .	\$																																																																																																																																																																																										
8021	\$ 40	8021	\$ 40	Recording each patent assignment per property (times number of properties)	\$																																																																																																																																																																																										
1809	\$ 770	2809	\$ 385	Filing a submission after final rejection (37 CFR 1.129(a))	\$																																																																																																																																																																																										
1801	\$ 770	2801	\$ 385	Request for Continued Examination (RCE)	\$																																																																																																																																																																																										
1802	\$ 900	1802	\$ 900	Request for expedited examination of a design application	\$																																																																																																																																																																																										
Other fee (specify):					\$																																																																																																																																																																																										
Other fee (specify):					\$																																																																																																																																																																																										
* Reduced by Basic Filing Fee Paid																																																																																																																																																																																															
Subtotal (3)					\$																																																																																																																																																																																										
<table border="1"> <thead> <tr> <th>Claims</th> <th>Extra</th> <th>Fee (below)</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>21 -20** =</td> <td>1 x \$ 18</td> <td>= \$ 18</td> </tr> <tr> <td>Indep.</td> <td>6 -3** =</td> <td>3 x \$ 86</td> <td>= \$ 258</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>\$</td> </tr> </tbody> </table> <p>**or number previously paid, if greater.</p> <p>For Reissues, see below</p> <table border="1"> <thead> <tr> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>\$ 18</td><td>\$ 9</td><td>Claims in excess of 20</td></tr> <tr><td>\$ 86</td><td>\$ 43</td><td>Independent claims in excess of 3</td></tr> <tr><td>\$ 290</td><td>\$ 145</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>\$ 86</td><td>\$ 43</td><td>**Reissue independent claims over original patent</td></tr> <tr><td>\$ 18</td><td>\$ 9</td><td>**Reissue claims in excess of 20 and over original patent</td></tr> <tr><td colspan="2">Subtotal (2)</td><td>\$ 276</td></tr> </tbody> </table>						Claims	Extra	Fee (below)	Fee Paid	Total	21 -20** =	1 x \$ 18	= \$ 18	Indep.	6 -3** =	3 x \$ 86	= \$ 258	Multiple Dependent			\$	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	\$ 18	\$ 9	Claims in excess of 20	\$ 86	\$ 43	Independent claims in excess of 3	\$ 290	\$ 145	Multiple dependent claim, if not paid	\$ 86	\$ 43	**Reissue independent claims over original patent	\$ 18	\$ 9	**Reissue claims in excess of 20 and over original patent	Subtotal (2)		\$ 276																																																																																																																																																					
Claims	Extra	Fee (below)	Fee Paid																																																																																																																																																																																												
Total	21 -20** =	1 x \$ 18	= \$ 18																																																																																																																																																																																												
Indep.	6 -3** =	3 x \$ 86	= \$ 258																																																																																																																																																																																												
Multiple Dependent			\$																																																																																																																																																																																												
Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description																																																																																																																																																																																													
\$ 18	\$ 9	Claims in excess of 20																																																																																																																																																																																													
\$ 86	\$ 43	Independent claims in excess of 3																																																																																																																																																																																													
\$ 290	\$ 145	Multiple dependent claim, if not paid																																																																																																																																																																																													
\$ 86	\$ 43	**Reissue independent claims over original patent																																																																																																																																																																																													
\$ 18	\$ 9	**Reissue claims in excess of 20 and over original patent																																																																																																																																																																																													
Subtotal (2)		\$ 276																																																																																																																																																																																													

Date:

Nov. 13, 2003

Submitted by

Charles M. Cox

Charles M. Cox, Reg. No. 29,057

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:	§	Confirmation No.:
	§	
JEFFREY L. LACY	§	
	§	
Filed:	§	Art Unit:
	§	
Serial No.:	§	Examiner:
	§	
For: BORON COATED STRAW	§	Docket No.: H054024.0012US0
NEUTRON DETECTOR	§	
	§	Customer No.: 01200

CERTIFICATE OF MAILING BY EXPRESS MAIL

Mail Stop Patent Application

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that the following documents, which are attached, are being deposited, under 37 C.F.R. § 1.10 with the United States Postal Service ("Express Mail Post Office to Addressee") service as Express Mail No. EV330686722US in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

- (1) Utility Patent Application Transmittal;
- (2) Fee Transmittal (in duplicate);
- (3) Patent Application (Specification (26 pages), Drawings (11 sheets));
- (4) Return postcard

Respectfully submitted,

11/13/2003
Date

Holly Tuynman
Name: Holly Tuynman

AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P.
1900 Pennzoil Place, South Tower
711 Louisiana St.
Houston, Texas 77002
(713) 220-5800
(713) 236-0822 Fax